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COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/005,084	12/04/2001	Anthony C. Mulligan	03248.00038

22908  
 BANNER & WITCOFF, LTD.  
 TEN SOUTH WACKER DRIVE  
 SUITE 3000  
 CHICAGO, IL 60606



CONFIRMATION NO. 8565  
**FORMALITIES LETTER**



\*OC00000007238638\*

Date Mailed: 12/28/2001

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**

**FILED UNDER 37 CFR 1.53(b)**

***Filing Date Granted***

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 65.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

03/05/2002 SMINASS1 00000035 010850 10005084

01 FC:205 65.00 CH

Please type a plus sign (+) inside this box → 

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

17

Application Number	10/005,084
Filing Date	December 4, 2001
First Named Inventor	MULLIGAN, Anthony C., et al.
Group Art Unit	1774
Examiner Name	Not Yet Assigned

Attorney Docket Number

003248.00038

## ENCLOSURES (check all that apply)

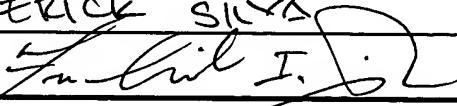
<input checked="" type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Joint Declaration for Patent Application Certificate of Express Mail Return Receipt Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Remarks	
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The Commissioner is authorized to charge any fees in connection with this correspondence to Deposit Account No. 01-0850. A duplicate of this sheet is enclosed.	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Rebecca P. Rokos, Esq. (Registration No. 42,109) Banner & Witcoff, Ltd.
Signature	
Date	February 26, 2002

## EXPRESS MAIL NO. EL 941346505 US

I hereby certify that on February 26, 2002, this correspondence is being deposited with the United States Express Mail Service in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231.

Typed or printed name	ERICK SILVA
Signature	
	Date 2/26/02
	February 26, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 105)

Complete if Known	
Application Number	10/005,084
Filing Date	December 4, 2001
First Named Inventor	MULLIGAN, Anthony C., et al.
Examiner Name	Not yet assigned.
Group / Art Unit	1774
Attorney Docket No.	003248.00038

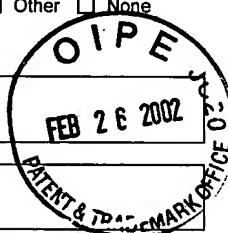
## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money  Other  None  
 Order

 Deposit Account:

Deposit Account Number

01-0850



The Commissioner is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

## 2. EXTRA CLAIM FEES

Total Claims	-	Extra Claims	Fee from below	Fee Paid
Independent Claims	-	** = 0	X 0 = 0	
Multiple Dependent	-	** = 0	X 0 = 0	

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	65
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive – unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 105)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Rebecca P. Rokos	Registration No. Attorney/Agent)	42,109	Telephone	312-715-1000
Signature			Date	February 26, 2002	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Attorney Docket No. 003248.00038

In the Application of:

MULLIGAN, Anthony C., et al.

Serial No. 10/005,084

Filed: December 4, 2001

For: Aligned Composite Structures for Mitigation of  
Impact Damage and Resistance to Wear in  
Dynamic Environments



Examiner: Not yet assigned.

Art Unit: 1774

BOX MISSING PARTS  
Assistant Commissioner for Patents  
Washington DC 20231

**RESPONSE TO NOTICE TO FILE  
MISSING PARTS OF NON-PROVISIONAL APPLICATION**

Sir:

In response to the Notice to File Missing Parts of Non-Provisional Application mailed December 28, 2001, the Applicants hereby submit the enclosed Joint Declaration For Patent Application. A copy of the PTO Notice is also enclosed. Additionally, the fee of \$65.00 is to be charged to Deposit Account No. 01-0850.

Respectfully submitted

BANNER & WITCOFF, LTD.

Dated: February 26, 2002

  
\_\_\_\_\_  
Rebecca P. Rokos  
Registration No. 42,109

2 - 27 -02 HH  
Sect of 88

**CERTIFICATE OF MAILING**  
**(PATENT)**



Express Mail No. EL 941346505 US

Deposited: February 26, 2002

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box MISSING PARTS, Washington, D.C. 20231.

By: ERICK SILVA

Patent Application of: MULLIGAN, Anthony C., et al.

Title: Aligned Composite Structures for Mitigation of Impact Damage and Resistance to Wear in Dynamic Environments

Application No. 10/005,084

Filed: December 4, 2001

Attorney Docket No. 003248.00038

1. Transmittal Form (in duplicate)
2. Fee Transmittal Form (in duplicate)
3. Response to Notice To File Missing Parts of Non-Provisional Application
4. Copy of Notice To File Missing Parts of Non-provisional Application
5. Executed Joint Declaration for Patent Application (4 pages)
6. Patent Assignment Recordation Coversheet (in duplicate)
7. Assignment (4 pages)
8. Return Receipt Postcard

BANNER & WITCOFF, LTD.  
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Chicago, Illinois 60606  
Telephone: (312) 715-1000